

Appendix II: Alignment of instant SEQ ID NO: 1 and GenBank Accession No. XM_031289

BLASTN 2.2.22+

Reference: Zheng Zhang, Scott Schwartz, Lukas Wagner, and Webb Miller (2000), "A greedy algorithm for aligning DNA sequences", J Comput Biol 2000; 7(1-2):203-14.

RID: SK6K2T28112

Query= SID_1
Length=1629

Sequences producing significant alignments:	Score (Bits)	E Value
ref XM_031289.1 Homo sapiens similar to interleukin 8 (H. sa...	3009	0.0

ALIGNMENTS

>ref|XM_031289.1| Homo sapiens similar to interleukin 8 (H. sapiens) (LOC133094), mRNA
Length=1630

Score = 3009 bits (1629), Expect = 0.0
Identities = 1629/1629 (100%), Gaps = 0/1629 (0%)
Strand=Plus/Plus

Query	1	GCAGAGCACACAAGCTTCTAGGACAAGAGCCAGGAAGAAACCACCGGAAGGAACCATCTC	60
Sbjct	2	GCAGAGCACACAAGCTTCTAGGACAAGAGCCAGGAAGAAACCACCGGAAGGAACCATCTC	61
Query	61	ACTGTGTGTAAACATGACTTCCAAGCTGGCCGTGGCTCTCTTGGCAGCCTTCCTGATTTTC	120
Sbjct	62	ACTGTGTGTAAACATGACTTCCAAGCTGGCCGTGGCTCTCTTGGCAGCCTTCCTGATTTTC	121
Query	121	TGCAGCTCTGTGTGAAGGTGCAGTTTTGCCAAGGAGTGCTAAAGAACTTAGATGTCAGTG	180
Sbjct	122	TGCAGCTCTGTGTGAAGGTGCAGTTTTGCCAAGGAGTGCTAAAGAACTTAGATGTCAGTG	181
Query	181	CATAAAGACATACTCCAAACCTTTCCACCCCAAATTTATCAAAGAACTGAGAGTGATTGA	240
Sbjct	182	CATAAAGACATACTCCAAACCTTTCCACCCCAAATTTATCAAAGAACTGAGAGTGATTGA	241
Query	241	GAGTGGACCACACTGCGCCAACACAGAAATTATGTAAAGCTTTCTGATGGAAGAGAGCTC	300
Sbjct	242	GAGTGGACCACACTGCGCCAACACAGAAATTATGTAAAGCTTTCTGATGGAAGAGAGCTC	301
Query	301	TGTCTGGACCCCAAGGAAAACCTGGGTGCAGAGGGTTGTGGAGAAGTTTTTGAAGAGGGCT	360
Sbjct	302	TGTCTGGACCCCAAGGAAAACCTGGGTGCAGAGGGTTGTGGAGAAGTTTTTGAAGAGGGCT	361
Query	361	GAGAATTCAGAATTCATAAAAAAATTCATTCTCTGTGGTATCCAAGAATCAGTGAAGATG	420
Sbjct	362	GAGAATTCAGAATTCATAAAAAAATTCATTCTCTGTGGTATCCAAGAATCAGTGAAGATG	421
Query	421	CCAGTGAAACTTCAAGCAAATCTACTTCAACACTTCATGTATTGTGTGGGTCTGTTGTAG	480
Sbjct	422	CCAGTGAAACTTCAAGCAAATCTACTTCAACACTTCATGTATTGTGTGGGTCTGTTGTAG	481
Query	481	GGTTGCCAGATGCAATACAAGATTCTGGTTAAATTTGAATTTTCAGTAAACAATGAATAG	540

Sbjct	482	 GGTTGCCAGATGCAATACAAGATTCTGGTTAAATTTGAATTCAGTAAACAATGAATAG	541
Query	541	TTTTTCATTGTACCATGAAATATCCAGAACATACTTATATGTAAAGTATTATTTATTTGA	600
Sbjct	542	 TTTTTCATTGTACCATGAAATATCCAGAACATACTTATATGTAAAGTATTATTTATTTGA	601
Query	601	ATCTACAAAAACAACAAATAATTTTTTAAATATAAGGATTTTCCTAGATATTGCACGGGA	660
Sbjct	602	 ATCTACAAAAACAACAAATAATTTTTTAAATATAAGGATTTTCCTAGATATTGCACGGGA	661
Query	661	GAATATACAAATAGCAAAATTGAGGCCAAGGGCCAAGAGAATATCCGAACTTTAATTTCA	720
Sbjct	662	 GAATATACAAATAGCAAAATTGAGGCCAAGGGCCAAGAGAATATCCGAACTTTAATTTCA	721
Query	721	GGAATTGAATGGGTTTGCTAGAAATGTGATATTTGAAGCATCACATAAAAAATGATGGGACA	780
Sbjct	722	 GGAATTGAATGGGTTTGCTAGAAATGTGATATTTGAAGCATCACATAAAAAATGATGGGACA	781
Query	781	ATAAATTTTGCCATAAAGTCAAATTTAGCTGGAAATCCTGGATTTTTTCTGTAAATCT	840
Sbjct	782	 ATAAATTTTGCCATAAAGTCAAATTTAGCTGGAAATCCTGGATTTTTTCTGTAAATCT	841
Query	841	GGCAACCCTAGTCTGCTAGCCAGGATCCACAAGTCCTTGTTCCACTGTGCCTTGTTTCT	900
Sbjct	842	 GGCAACCCTAGTCTGCTAGCCAGGATCCACAAGTCCTTGTTCCACTGTGCCTTGTTTCT	901
Query	901	CCTTTATTTCTAAGTGGA AAAAGTATTAGCCACCATCTTACCTCACAGTGATGTTGTGAG	960
Sbjct	902	 CCTTTATTTCTAAGTGGA AAAAGTATTAGCCACCATCTTACCTCACAGTGATGTTGTGAG	961
Query	961	GACATGTGGAAGCACTTTAAGTTTTTTCATCATAACATAAATTATTTTCAAGTGTAAC TT	1020
Sbjct	962	 GACATGTGGAAGCACTTTAAGTTTTTTCATCATAACATAAATTATTTTCAAGTGTAAC TT	1021
Query	1021	ATTAACCTATTTATTATTTATGTATTTATTTAAGCATCAAATATTTGTGCAAGAATTTGG	1080
Sbjct	1022	 ATTAACCTATTTATTATTTATGTATTTATTTAAGCATCAAATATTTGTGCAAGAATTTGG	1081
Query	1081	AAAAATAGAAGATGAATCATTGATTGAATAGTTATAAAGATGTTATAGTAAATTTATTTT	1140
Sbjct	1082	 AAAAATAGAAGATGAATCATTGATTGAATAGTTATAAAGATGTTATAGTAAATTTATTTT	1141
Query	1141	ATTTTAGATATTAAATGATGTTTTATTAGATAAATTTCAATCAGGGTTTTTAGATTAAAC	1200
Sbjct	1142	 ATTTTAGATATTAAATGATGTTTTATTAGATAAATTTCAATCAGGGTTTTTAGATTAAAC	1201
Query	1201	AAACAAACAATTGGGTACCCAGTTAAATTTTCATTTTCAGATAAAACAACAATAATTTTTT	1260
Sbjct	1202	 AAACAAACAATTGGGTACCCAGTTAAATTTTCATTTTCAGATAAAACAACAATAATTTTTT	1261
Query	1261	AGTATAAGTACATTATTGTTTATCTGAAATTTTAATTGAACTAACAATCCTAGTTTGATA	1320
Sbjct	1262	 AGTATAAGTACATTATTGTTTATCTGAAATTTTAATTGAACTAACAATCCTAGTTTGATA	1321
Query	1321	CTCCAGTCTTGTCATTGCCAGCTGTGTTGGTAGTGCTGTGTTGAATTACGGAATAATGA	1380
Sbjct	1322	 CTCCAGTCTTGTCATTGCCAGCTGTGTTGGTAGTGCTGTGTTGAATTACGGAATAATGA	1381
Query	1381	GTTAGAACTATTAAACAGCCAAAAC TCCACAGTCAATATTAGTAATTTCTTGCTGGTTG	1440

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Sbjct  1382  |||||
GTTAGAACTATTAAAACAGCCAAAACCCACAGTCAATATTAGTAATTTCTTGCTGGTTG 1441

Query  1441  AAACTTGTTTATTATGTACAAATAGATTCTTATAATATTATTTAAATGACTGCATTTTAA 1500
|||||
Sbjct  1442  AAACTTGTTTATTATGTACAAATAGATTCTTATAATATTATTTAAATGACTGCATTTTAA 1501
|||||
Query  1501  AATACAAGGCTTTATATTTTTAACTTTAAGATGTTTTTATGTGCTCTCCAAATTTTTTTT 1560
|||||
Sbjct  1502  AATACAAGGCTTTATATTTTTAACTTTAAGATGTTTTTATGTGCTCTCCAAATTTTTTTT 1561
|||||
Query  1561  ACTGTTTCTGATTGTATGGAAATATAAAAAGTAAATATGAAACATTTAAATATAATTTGT 1620
|||||
Sbjct  1562  ACTGTTTCTGATTGTATGGAAATATAAAAAGTAAATATGAAACATTTAAATATAATTTGT 1621
|||||
Query  1621  TGTCAAAGT   1629
|||||
Sbjct  1622  TGTCAAAGT   1630

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